

combination thereof, wherein the polymeric material or the polymer of the reinforced polymer comprises a polyvinyl chloride, polyester, acrylic polymer, polycarbonate, polyurethane, polyethylene acrylic acid copolymer, or polyvinyl acetate; and

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- b) a clear polyurethane applied as a protective layer on a first surface of said substrate, said polyurethane is a reaction product of,
 - i) a first component comprising one or more polyols having an equivalent weight in the range from about 28 to about 3000, optionally one or more diols having an equivalent weight in the range from about 30 to about 4000, and a catalyst; and
 - ii) a second component comprising at least 50 weight percent of a primary polyisocyanate having a functionality of at least three, and wherein the first and second components together are solvent free.
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41. (Third amendment) An article comprising:

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- a) a substrate selected from polymeric material, wood, fabric, reinforced polymers, metal, reflective sheeting, and a combination thereof, wherein the polymeric material or the polymer of the reinforced polymer comprises a polyvinyl chloride, polyester, acrylic polymer, polycarbonate, polyurethane, polyethylene acrylic acid copolymer, or polyvinyl acetate; and
 - b) a clear protective polyurethane layer on a first surface of the substrate, wherein the polyurethane contains primary aliphatic isocyanate crosslinking, and wherein about 25% or more of the total crosslink density is contributed by a polyisocyanate components, said polyurethane exhibiting at least one property selected from the group consisting of a flexural modulus of 1.0×10^8 pascals or less, a storage modulus of 1.0×10^8 pascals or

f2 less, a Shore A hardness of less than 94, a Hoffman scratch-hardness test result of 2 or less, and a color shift, in accordance with heat aging test ASTM D2244-79, within 1 delta E.

45. (Second amendment) An article comprising:

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- a) a substrate having a first surface, said substrate selected from polymeric material, wood, fabric, reinforced polymers, metal, reflective sheeting, and a combination thereof, wherein the polymeric material or the polymer of the reinforced polymer comprises a polyvinyl chloride, polyester, acrylic polymer, polycarbonate, polyurethane, polyethylene acrylic acid copolymer, or polyvinyl acetate;
 - b) indicia on at least a portion of the first surface of the substrate; and
 - c) a clear polyurethane applied as a protective layer over the indicia and any exposed portions of the first surface of said substrate, wherein the polyurethane is a reaction product of:
 - i) a first component comprising one or more polyols having an equivalent weight in the range from about 28 to about 3000, optionally one or more diols having an equivalent weight in the range from about 30 to about 4000, and a catalyst; and
 - ii) a second component comprising at least 50 weight percent of a primary polyisocyanate having a functionality of at least three, and wherein the first and second components together are solvent free;

wherein the first and second components form a solvent-free admixture having an NCO:OH ratio of about 0.75 to about 1.25.

47. (Third amendment) An article comprising:

- f4
- a) a substrate selected from polymeric material, wood, fabric, reinforced polymers, metal, reflective sheeting, and a combination thereof, wherein the polymeric material or the

polymer of the reinforced polymer comprises a polyvinyl chloride, polyester, acrylic polymer, polycarbonate, polyurethane, polyethylene acrylic acid copolymer, or polyvinyl acetate; and

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- b) a flexible clear polyurethane applied as a layer on a surface of said substrate, said flexible polyurethane comprising a reaction product of,
- i) a first component included one or more polyols having an equivalent weight in the range from about 28 to about 3000, optionally one or more diols having an equivalent weight in the range from about 30 to about 4000, and a catalyst; and
 - ii) a second component comprising a primary aliphatic isocyanate crosslinker having at least 50 weight percent polyisocyanate,

wherein the first and second components together are solvent free.

58. (New) The article of claim 26, wherein at least a portion of the substrate is visible through the polyurethane protective layer.

59. (New) The article of claim 41, wherein at least a portion of the substrate is visible through the polyurethane protective layer.

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60. (New) The article of claim 45, wherein at least a portion of the substrate is visible through the polyurethane protective layer.

61. (New) The article of claim 47, wherein at least a portion of the substrate is visible through the polyurethane protective layer.
